

GenCore version 5.1.9  
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OM protein - protein search, using sw model

Run on: September 13, 2006, 19:30:17 ; Search time 19.0909 Seconds  
 (without alignments)  
 35.279 Million cell updates/sec

Title: US-10-828-623C-42  
 Perfect score: 41  
 Sequence: 1 YPFFGLM 7

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 1000 summaries

Database : PIR\_80:\*  
 1: pir1:\*  
 2: pir2:\*  
 3: pir3:\*  
 4: pir4:\*

Pred. No. is the number of results predicted by chance to have a  
 score greater than or equal to the score of the result being printed,  
 and is derived by analysis of the total score distribution.

SUMMARIES

| Result<br>No. | Score | %<br>Query |        | DB | ID     | Description        |
|---------------|-------|------------|--------|----|--------|--------------------|
|               |       | Match      | Length |    |        |                    |
| 1             | 36    | 87.8       | 294    | 2  | F90193 | tatC protein (tatC |
| 2             | 36    | 87.8       | 339    | 2  | AC3406 | l-lactate permease |
| 3             | 36    | 87.8       | 792    | 2  | C71250 | probable cation-tr |
| 4             | 35    | 85.4       | 443    | 2  | S77166 | hypothetical prote |
| 5             | 34    | 82.9       | 301    | 2  | AE3273 | transporter, dme f |
| 6             | 34    | 82.9       | 380    | 2  | E71218 | hypothetical prote |
| 7             | 34    | 82.9       | 1096   | 2  | T16875 | hypothetical prote |
| 8             | 33    | 80.5       | 234    | 2  | F75254 | conserved hypothet |
| 9             | 33    | 80.5       | 358    | 2  | T17619 | hypothetical prote |
| 10            | 33    | 80.5       | 377    | 2  | T33765 | hypothetical prote |
| 11            | 32    | 78.0       | 108    | 2  | T17630 | hypothetical prote |
| 12            | 32    | 78.0       | 143    | 2  | T29740 | hypothetical prote |
| 13            | 32    | 78.0       | 167    | 2  | T21832 | hypothetical prote |
| 14            | 32    | 78.0       | 210    | 2  | S76054 | hypothetical prote |